

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: 10/25/05

Date Received: 10/13/05

Project: Metro Self Monitor, PO# M107093, F&BI 510131

Date Extracted: 10/18/05

Date Analyzed: 10/18/05

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES  
FOR TOTAL METALS  
BY EPA METHOD 200.8**

Results Reported as µg/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M-107093 510131-01	730	740	880	64
Method Blank	<20	<20	<20	<20

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**QUALITY ASSURANCE RESULTS  
FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS  
BY EPA METHOD 200.8**

Laboratory Code: 510131-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	RPD (Limit 20)
Chromium	µg/L (ppb)	710	670	6	0-20
Copper	µg/L (ppb)	740	740	0	0-20
Nickel	µg/L (ppb)	880	890	1	0-20
Zinc	µg/L (ppb)	64	65	2	0-20

Laboratory Code: 510131-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Control Limits
Chromium	µg/L (ppb)	20	710	ai	50-150
Copper	µg/L (ppb)	25	740	ai	50-150
Nickel	µg/L (ppb)	25	880	ai	50-150
Zinc	µg/L (ppb)	50	64	92	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	µg/L (ppb)	20	112	70-130
Copper	µg/L (ppb)	25	129	70-130
Nickel	µg/L (ppb)	25	129	70-130
Zinc	µg/L (ppb)	50	98	70-130

ai - The amount spiked was insufficient to give meaningful recovery data.

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D.  
Charlene Morrow, M.S.  
Yelena Aravkina, M.S.  
Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
TEL: (206) 285-8282  
FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

October 25, 2005

**DUPLICATE COPY**

**INVOICE # 05ACU1025-1**

Accounts Payable  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M107093, F&BI 510131 - Results of testing  
requested by Gerry Thompson for material submitted on October 13, 2005.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc  
by Method 200.8 @ \$80 per sample

\$ 80.00

Amount Due .....

\$ 80.00

FEDERAL TAX ID # (b) (6)

510131

## SAMPLE CHAIN OF CUSTODY

CM 10-13-05

A14

Send Report To Geno Thompson  
 Company Alaskan Copper works  
 Address 628 S. Harford St  
 City, State, ZIP Seattle WA 98134  
 Phone # 206-382-8379 Fax # 206-382-8309

SAMPLER (signature) <i>[Signature]</i>	
PROJECT NAME/NO. <u>metno self monitor</u>	PO # <u>M 107093</u>
REMARKS	

Page # _____ of _____
TURNAROUND TIME <input type="checkbox"/> Standard (2 Weeks) <input type="checkbox"/> RUSH Rush charges authorized by: _____
SAMPLE DISPOSAL <input type="checkbox"/> Dispose after 30 days <input type="checkbox"/> Return samples <input type="checkbox"/> Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS					
M-107093	01	10/13/05	1:00	H2O	1							See Encl. pg. 2				

Friedman & Bruya, Inc.  
 3012 16th Avenue West  
 Seattle, WA 98119-2029  
 Ph. (206) 285-8282  
 Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <i>[Signature]</i>	G. Thompson	ACW	10/13/05	2:00pm
Received by: <i>[Signature]</i>	Nhan Phan	FEBI	10/13/05	V
Relinquished by:				
Received by:				



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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October 25, 2005

Gerry Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on October 13, 2005 from the Metro Self Monitor, PO# M107093, F&BI 510131 project. There are 2 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Charlene Morrow  
Chemist

Enclosures  
ACU1025R.DOC